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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

Attorney Docket No.

PA125

First Inventor

Rosen et al.

Title

Nucleic Acids, Proteins, and Antibodies

Express Mail Label No.

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 561]
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets]
5. ☒ Oath or Declaration [Total Pages 5]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
c. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in
the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☒ Application Data Sheet. See 37 CFR 1.76. (13 pages).
The entire disclosure of all applications claimed for priority on the
Application Data Sheet are considered a part of the disclosure of the
present application and are hereby incorporated by reference in their
entirety.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer
Program
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☒ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☒ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☒ Statement under 1.821 verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet and document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/ Form PTO/SB/08
☐ Copies of Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
15. ☐ Certified copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C.
122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or
its equivalent.
17. ☒ Other:
a. Transmittal and Submission Under 37 CFR §§ 1.824 and 1.52(e).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76.

☐ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No. /
Prior application information: Examiner Group/Art Unit:

For CONTINUATION OR DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the
accompanying continuation or divisional application and is hereby incorporated by reference The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted
application parts**18. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label 22195 or ☐ Correspondence address below

NAME

ADDRESS

CITY

STATE

ZIP CODE

COUNTRY

TELEPHONE

FAX

NAME (Print/Type)

Kenley K. Hoover

Registration No. (Attorney/Agent)

40,302

SIGNATURE

Kenley K. Hoover (Reg No 43978)

Date

11/17/2001

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required
to completed this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS
ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231
PTO/SB/05 Revised

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FEE TRANSMITTAL for FY 2001 <i>Patent fees are subject to annual revision.</i>				Complete if Known																																																																																																																																																																																																																	
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1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number 08-3425 Deposit Account Name Human Genome Sciences, Inc. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27				3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive -unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - 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Name (Print/Type) Kenley K. Hoover				Registration No.: 40,302		Telephone 301-610-5771																																																																																																																																																																																																															
Signature: <i>Kenley K. Hoover</i>						Date 11/17/2001																																																																																																																																																																																																															

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Rosen et al.

Application Serial No.: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

For: Nucleic Acids, Proteins, and Antibodies

Attorney Docket No.: PA125

**TRANSMITTAL AND SUBMISSION UNDER
37 C.F.R. §§ 1.824 and 1.52(e)**

Commissioner For Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.821(e) and 1.824, Applicants submit herewith a Sequence Listing satisfying the computer readable format requirements on a compact disc (CD-R) labeled "CRF." Applicants submit concurrently herewith a Statement Under 37 C.F.R. § 1.821.

Additionally, in accordance with 37 C.F.R. §§ 1.52(e), 1.821, and 1.823, Applicants submit herewith a Sequence Listing as an electronic document on two identical compact discs (CD-R). Applicants certify under 37 C.F.R. § 1.52(e)(4) that these two compact discs, labeled "Copy 1" and "Copy 2," are identical. These compact discs, formatted for an IBM-PC machine and compatible with the MS-Windows operating system, contain the following files:

Document	File Name	Size in bytes	Date of Creation
Sequence Listing	PA125_seqListing.txt	1,562,087	01/16/2001
V Viewer Setup File	SetupDLL.exe	695,808	12/19/2000
V Viewer Help File Controller	v.cnt	7,984	01/05/2001
V Viewer Program File	v.exe	753,664	12/19/2000
V Viewer Help File	v.hlp	447,766	01/05/2001

Pursuant to 37 C.F.R. § 1.52(e)(3)(ii), Applicants note that the Sequence Listing may be viewed on an IBM-PC machine running the MS-Windows operating system by using the V viewer software, licensed by HGS, Inc., included on the compact discs (see World Wide Web URL: <http://www.fileviewer.com>). To use the V viewer, the SetupDLL.exe file must first be executed to install required files. The V viewer can then be

opened by executing the v.exe file from the compact disc. Once open, the V viewer can be used to open and view the Sequence Listing and Tables from the compact disc. Further instructions for use of the V viewer may be obtained using the Help function from within the V viewer software.

Date: June 17, 2001

Respectfully submitted,

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KKH/mjh
Enclosures

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"0270" 3/849/60

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Rosen et al.

Application Serial No.: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

For: Nucleic Acids, Proteins, and Antibodies

Attorney Docket No.: PA125

STATEMENT UNDER 37 C.F.R. § 1.821

Assistant Commissioner For Patents
Washington, D.C. 20231

Sir:

Applicants hereby certify under 37 C.F.R. §1.821(f), that the content of the sequence listing information recorded in computer-readable form submitted herewith on compact disc (CD-R) is identical to the written (on compact disc (CD-R)) sequence listing.

Respectfully submitted,

Kenley K. Hoover (Reg No 40,302)

Date

Jan 17, 2001

for

Kenley K. Hoover
Agent for Applicants

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